

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
16 November 2006 (16.11.2006)

PCT

(10) International Publication Number
WO 2006/121708 A1

(51) International Patent Classification:
A61K 31/397 (2006.01) A61P 1/00 (2006.01)
C07D 205/08 (2006.01)

(21) International Application Number:
PCT/US2006/016804

(22) International Filing Date: 2 May 2006 (02.05.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/678,402 6 May 2005 (06.05.2005) US

(71) Applicant (for all designated States except US): ALLERGAN, INC. [US/US]; 2525 Dupont Drive, Irvine, California 92612 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): OLD, David, W. [US/US]; 13771 Typee Way, Irvine, California 92620 (US).

(74) Agents: JOHNSON, Brent, A. et al.; ALLERGAN, INC., 2525 Dupont Drive, Irvine, California 92612 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

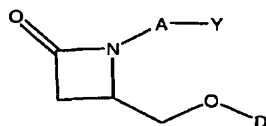
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report
— with amended claims

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SUBSTITUTED BETA-LACTAMS AND THEIR USE IN MEDICINE



(I)

(57) Abstract: Disclosed herein is the use of compounds of formula (I) wherein Y, A and D are described herein or a pharmaceutically acceptable salt or a prodrug or a metabolite thereof for the treatment of inflammatory bowel disease and of glaucoma.

WO 2006/121708 A1